

An Apparatus for the Production of Ginkgo Leaf Tea.

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Abstract

Ginkgo leaves contain many beneficial chemicals which can be transferred into a preparation of tea. However, the leaves contain 2-hexenal, a chemical which is toxic and has an unpleasant taste. Therefore, removal of the 2-hexenal is an essential step for the tea production. This removal is accomplished in this invention by a microwave apparatus, which has the advantage of a rapid rate of treatment at great energy efficiency. Therefore, this invention provides an effective means for large scale ginkgo leaf tea production..

Background of the Invention.

The utility of ginkgo biloba leaves has received wide attention in recent years, ranging from simple drink stuff to nutritional supplement and medicinal agent. The present invention is related to the ginkgo tea, specifically it is concerned with the removal of the 2-hexenal from the initial ginkgo leaves to produce a safe and palatable substance. Toward this objective, a patent exists (U.S. Patent 5,888,571, March 30, 1999, Inventor: Seung Chang Choi). Choi's process involves thermal treatment at various temperature ranges at various time intervals, which are consequently time consuming and energy wasting. The present invention is to eliminate these